

NRCS NCGC Progress Review

Geospatial Data Warehouse

December 8, 2004

Salt Lake City, UT

Project Description

- Geospatial Data Warehouse
 - Establish on-line data warehouses at Service Center Data Acquisition and Integration Centers (APFO & NCGC)
 - Provide for remote site fail-over and fail-back capabilities
 - Provide authoritative data to data marts and other clients

Project(s) Overview

- EDARCH Phase 1 + and 2 completed (increased capacity)
- EDARCH Phase 3 ordered
- 26TB of high speed online data storage
- 35TB of ATA data storage
- 50TB near-online ASM data storage
- Integrated with Resource Data Gateway
- Integrated with Soils Data Mart
- NRI Data Mart prototype designed
- Web Services prototypes implemented

Others Efforts

- GDW integration efforts (RSL, WCC, RIAD)
- External collaboration (ISU, NGDC)
- Availability of high resolution imagery
- New ETL/data delivery processes
(EarthWhere, OGC Web Mapping Service)

Progress Expected This Year

- Jan 2005
 - EDARCH Phase 3 implemented
 - EDARCH FY05 requirements defined
 - RSL data integration plan developed
 - NRI Data Mart integration plan developed
 - NCGC data production integration plan developed
- Feb 2005
 - RSL data integration complete (16TB Fort worth, 4TB Portland & Greensboro)
- Mar 2005
 - Web services available for major data themes
 - ArcGIS Server implementation competed
 - Initial GDW ETL processes in place
 - NCGC data production integration completed
- Jun 2005
 - Mobile Toolkit integration